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Post-processing: Minimum Match 0%
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Listing first 45 summaries
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1 LAKAGFYYIGPCDPV
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                                                                                             apoptosis inhibitor - pig
C:Species: Sus scrofa domestica (domestic pig)
C:Species: Sus scrofa domestica (domestic pig)
C:Species: O4-Sep-1998 #sequence_revision 04-Sep-1998 #text_change 02-Sep-2000
C:Accession: JC5964
R:Stehlik, C:; de Martin, R.: Binder, B.R.: Lipp, J.
Biochem. Biophys. Res. Commun. 243, 827-832, 1998
A:Title: Cytokine induced expression of porcine inhibitor of apoptosis protein (A:Reference number: JC5964; MUID:98162622
A:Reference number: JC5964
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-358 <STE>
A:Cross-references: GB:U79142; NID:92957174; PIDN:AAC39171.1; PID:92957175
C:Superfamily: RING finger homology
F:307-351/Domain: RING finger homology <RRN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      apoptosis inhibitor hiap-1 - human (C.Species: Homo sapiens (man) (C.Species: Homo sapiens (man) (C.Pacesies: Homo sapiens (M.Pamai, K.; Lefebvre, C.; Baird, S.; Cherton-Horvat, G.; Faraha Riture 379, 349-353, 1996 (M.Pamai, K.; Lefebvre, C.; Baird, S.; Cherton-Horvat, G.; Faraha A.Title: Suppression of apoptosis in mammalian cells by NAIP and a related family of A.Pacession: S68449 (MID: 96149249) (M.Pacession: S68449) (MID: 96149249) (M.Pacession: S68449) (MID: 96149249) (M.Pacession: MIRMA) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C; Function: Apoptotic suppressor R; Description: Appetotic suppressor C; Superfamily: RING finger homology C; Keywords: Apoptosis; zinc finger C; Keywords: Apoptosis; zinc finger homology < RNG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT
S68449
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery Match 98.9%;
Best Local Similarity 97.8%;
Matches 45; Conservative
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      Score 254; DB 2;
Pred. No. 8.7e-24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ALIGNMENTS
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Result No.

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Query Match

22222357345675693211 22222357345675693211 2222357345675693211

138 135 135 131 132.5 122.5 122.5 122.1 123.1 100 98 98 98 99.3 100 74.5 60.5 62.5 62.5 60.5 60.5 59.5 59.5

Minimum DB seq Maximum DB seq

Total number of

Database

PIR_68:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*

Scoring table: Sequence: Title: Perfect score: Run

on:

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A:Cross-references: EMBL:U32974; NID:g1016687; PIDN:AAC50518.1; PID:g1016688 R:Liston, P.; Roy, N.; Tama1, K.; Lefebvre, C.; Haird, S.; Cherton-Horvat, G.; Nature 379, 349-353, 1996
A:Title: Suppression of apoptosis in mammalian cells by NAIP and a related fami A:Reference number: A58182; MUID:96149249
A:Accession: 568451
A:Status: nucleic acid sequence not shown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      apoptosis inhibitor IAP homolog - human C;Species: Homo sapiens (man) C;Species: Homo sapiens (man) C;Species: 06-Dec-1996 #sequence_revision 13-Max-1997 #text_change 17-Nov-2000 C;Date: 06-Dec-1996 #sequence_revision 13-Max-1997 #text_change 17-Nov-2000 C;Accession: S69544; S68451
R;Duckett, C.S.: Nava, V.E.; Gedrich, R.W.; Clem, R.J.; van Dongen, J.L.; Gilfillan, M.C EMBO J. 15, 2685-2694, 1996
A;Tittle: A conserved family of cellular genes related to the baculovirus iap gene and en A;Reference number: S69544; MUID:96256286
                                                                                                                                                                                                    C; Genetics:
                                                                                                                                                                                                                   A;Status: nucleic acid sequence not shown
A;Molecule type: mRNA
A;Residues: 1-161,'C',163-422,'Q',424-497 <LIS>
A;Cross-references: EMBL:U45880; NID:g1184319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A:Description: apoptotic suppressor C:Superfamily: RING finger homology C:Keywords: apoptosis; zinc finger c:557-511/Domain: RING finger homology
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A:Molecule type: mRNA
A:Residues: 1-497 <DUC>
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                                                                        Description: apoptotic suppressor

Superfamily: apoptosis inhibitor IAP homolog;

Keywords: apoptosis; zinc finger

(446-490/Domain: RING finger homology <RRN>
    Query Match
Best Local Similarity
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Best Local Similarity 91.3

Matches 42; Conservative
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Pred. No. 7.9e-23;
2; Mismatches 2;
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    Score 182; DB 2;
Pred. No. 8.7e-15;
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                      Length 497;
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                                       Matches
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apoptosis inhibitor diap - fruit fly (Drosophila melanogaster)
(;Species: Drosophila melanogaster)
(;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 17-Nov-2000
(;Accession: S68452; 578528
R;Liston, P.; Roy, N.; Tamai, K.; Lefebvre, C.; Baird, S.; Cherton-Horvat, G.; Faraha Nature 379, 349-353, 1996
A;Fitte: Suppression of apoptosis in mammalian cells by NAIP and a related family of A;Accession: S68452
A;Accession: S68452
A;Accession: S68452
A;Status: nucleic acid sequence not shown
A;Molecule type: mRNA
A;Residues: 1-496 <LIS-
A;Residues: 1-496 <LIS-
                                                                                                                                                                                                                                                                  apoptosis inhibitor IAP homolog - fruit fly (Drosophila melanogaster)
C;Species: Drosophila melanogaster
C;Date: 06-Dec-1996 *sequence_revision 13-Mar-1997 *text_change 21-Jan-2000
C;Accession: S69545
R;Duckett, C.S.; Nava, V.E.; Gedrich, R.W.; Clem, R.J.; van Dongen, J.L.; Gilfillan, EMBO J. 15, 2685-2694, 1996
C;Superfamily: apoptosis inhibitor IAP homolog; RING finger homology F;446-490/Domain: RING finger homology <RRN>
                                                                                                                                                                                                                                         A; Title: A conserved family
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C;Superfamily: apoptosis inhibitor
C;Reywords: apoptosis; zinc finger
C;Reywords: apoptosis; zinc finger
F;445-489/Domain: RING finger homology <RNG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Molecule type: mRNA
A; Residues: 1-36 'AT', 37, 'K', 39, 'L', 41-44, 'H', 46-58, 'Q', 60-412, 'A', 414-427, 'A', 429-49
A; Cross-references: EMBL: U45881; NID: g1184313; PIDN: AAC46988.1; PID: g1184314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              submitted to the EMBL Data Library, January 1996 A;Reference number: S78528 A;Accession: S78528
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                                                                                                                          A;Status: preliminary; nucleic acid sequence
A;Molecule type: mRNA
A;Residues: 1-497 <DUC>
                                                                                                                                                                                                  A; Reference number: A; Accession: S69545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Cross-references: FlyBase:FBgn0015247
                                                                                              A; Cross-references: EMBL: U32373; NID: g1019116; PIDN: AAC47155.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R; Baird, S.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Cross-references: EMBL:U45881; NID:g1184313; PIDN:AAC46988.1;
                                                                           Genetics:
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                      d family of cellular genes
S69544; MUID:96256286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      54.38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 145; DB 2;
Pred. No. 3.2e-10;
4; Mismatches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
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                                                                                                                                                                                                                                                 related
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                                                                                                                                                                                                                                            baculovirus tap gene and
                                                                                                 PID: g1019117
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1 LAKAGFYYIGPGDRVACFACGGKLSNWEPKDNAMSEHLRHFPKCP 45

Similarity

54.3%;

Conservative

4

Score 145; DB 2; Pred. No. 3.2e-10; 4; Mismatches 16

Length 497;

Indels

0;

Gaps

0;

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A.Cross-references: GDB:120378; OMIM:600354; OMIM:253300
A.Map position: 5q12.2-5q13
A.Map position: 5q12.2-5q13
C:Keywords: apoptosis; ATP; glycoprotein; nucleotide binding; p-loop; transmembrane prote; 94-110/Domain: transmembrane *status predicted <TMM1>
F:470-477/Region: nucleotide-binding motif A (P-loop)
F:470-495/Domain: transmembrane *status predicted <TMM2>
F:476/Binding site: ATP (Lys) *status predicted
F:476/Binding site: ATP (Lys) *status predicted
F:618,632,823,923,1035/Binding site: carbohydrate (Asn) (covalent) *status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C;Accession: T42628
R;Yaraghi, Z.; Diez, E.; Gros, P.; MacKenzie, A.
Mamm. Genome 10, 761-763, 1999
A;Title: CDNA cloning and the 5'genomic organization
A;Reference number: Z22179; MUID:99315342
A;Rocession: T42628
A;Status: preliminary; translated from GB/EMBL/DDBJ
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A; Residues: 1-1232 <ROY>
A; Cross-references: GB: U19251
C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Reference number:
A; Accession: A55478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        R;Roy, N.; Mahadevan, M.S.; McLean, M.; Shutler, G.; Yaraghi, Z.; Farahani, R.; dd. T.O.; de Jong, P.J.; Surh, L.; Ikeda, J.E.; Korneluk, R.G.; MacKenzle, A. dell 80, 167-178, 1995
A;Title: The gene for neuronal apoptosis inhibitory protein is partially deleted A;Reference number: A55478; MUID:95112344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               neuronal apoptosis inhibitory protein - N; Alternate names: NAIP
                                                                                                                                                                                                                                                                                                                                                                              A;Cross-references: EMBL:AF102871; NID:g3860228; PID:g3860229; PIDN:AAC73002.1
C;Genetics:
A;Gene: Naip2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        neuronal apoptosis inhibitory protein 2 - mouse
C;Species: Mus musculus (house mouse)
C;Date: II-Jan-2000 #sequence_revision 11-Jan-2000 #text_change 11-Jan-2000
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A; Residues: 1-1447 < YAR>
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inhibitor of apoptosis protein 3 - Orgyia pseudotsugata nuclear polyhedrosis virus C; Species: Orgyia pseudotsugata nuclear polyhedrosis virus, OpMNPV
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Best Local S
Matches 24
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Matches 24
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;Date: 05-Jan-1996 #sequence_revision 05-Jan-1996 #text_change 02-Feb-2001
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                                                                                                                                                      181 LSAAGEVETGKRDTVQCESCGGCLGNWEEGDDPWKEHAKWEPKCEF 226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299 LAKAGLEYTGIKDIYQCFSCGGCLEKWQEGDDPLDDHTRCFPNCPF 344
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                                                                                                                                                                                LAKAGFYYIGPGDRVACFACGGKLSNWEPKDNAMSEHLRHFPKCPF 46
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                                                                                                                                                                                                                                                                                  Similarity
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ilarity 52.2%;
Conservative
                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                            51.7%;
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                                                                                                                                                                                                                                                                            Pred. No. 6.3e-09;
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                                                                                                                                                                                                                                                                                                      Length 1447;
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Query Match

49.18;

Score 131;

DB 2;

Length 275

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R. Birnbaum, M.J.; Clem, R.J.; Miller, L.K.
J. Virol. 68, 2521-2528, 1994
A. Title: An apoptosis inhibiting gene from a nuclear polyhedrosis virus e
A. Reference number: A53989; MUID:94187094
A. Accession: A53989
A. Status: preliminary
A. Molecule type: DNA
A. Residues: 1-268 CBIR>
A. Rolecule type: DNA
A. Residues: 1-268 CBIR>
A. Cross-references: GB:L22564; NID:945611; PIDN:AAB02610.1; PID:9456114
A. Rote: authors translated the codon TGG for residue 28 as Tyr, GAC for r
C. Superfamily: Viral apoptosis inhibitor IAP; RING finger homology
F;217-261/Domain: RING finger homology <RRN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Date: 16-Jul-1999 *sequence_revision 16-Jul-1999 *text_change 15-Sep-2000 C;Accession: T10304 R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann Virology 229, 381-399, 1997 A;Title: The sequence of the Orgyla pseudotsugata multinucleocapsid nuclear A;Reference number: Z17011; MUID:97271300 A;Accession: T10304 A;Status: preliminary; translated from GB/EMBL/DDBJ
inhibitor-of-apoptosis polypeptide (TAP) - Cydia pomonella granulosis virus CpGV C;Species; Cydia pomonella granulosis virus CpGV C;Date: 21-Sep-1931 *sequence_revision 25-Apr-1997 *text_change 15-Sep-2000 C;Accession: A45679 R;Crook, N.E.; Clem, R.J.; Miller, L.K.
J. Virol. 67, 2168-2174, 1933
A:Title: An apoptosis-inhibiting baculovirus gene with a zinc finger-like motif. A;Reference number: A45679; MUID:93188168
A;Recession: A45679
A;Status: preliminary
A;Molecule: type: DNA
A;Residues: 1-275 CCRO>
A;Residues: 1-275 CCRO>
A;Gross-references: GB:LD5494; NID:9289583; PIDN:AAA43835.1; PID:9289584
A;Gross-references: GB:LD5494; NID:9289583; PIDN:AAA43835.1; PID:9289584
A;Note: sequence extracted from NCBI backbone (NCBIN:127014, NCBIP:227015)
C;Superfamily: viral apoptosis inhibitor IAP; RING finger homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              apoptosis-inhibiting protein - Orgyla pseudotsugata multicapsid nuclear polyhedrosis C;Species: Orgyla pseudotsugata multicapsid nuclear polyhedrosis virus, OpMNPV C;Date: 15-Oct-1994 #sequence_revision 15-Oct-1994 #text_change 15-Sep-2000 C;Accession: A53989
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A;Residues: 1-268 <AHR>
A;Residues: 1-268 <AHR>
A;Cross-references: EMBL:U75930; NID:q2934903; PIDN:AAC59034.1; PID:q1911281
C;Superfamily: viral apoptosis inhibitor IAP; RING finger homology
F;217-261/Domain: RING finger homology <RRN>
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A53989
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Best Local
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Best Local Similarity 45.7
Matches 21; Conservative
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Pred. No. 3e-09;
8; Mismatches 1;
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probable apoptosis inhibitor - Chilo iridescent virus C;Species: Chilo iridescent virus C;Date: 24-Mar-1999 #sequence_revision 24-Mar-1999 #tc C;Accession: T03183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    kidney inhibitor of apoptosis protein - human C;Species: Homo sapiens (man) C;Date: 31-Mar-2001 #sequence_revision 31-Mar-2001 C;Date: 31-Mar-2001 #sequence_revision 31-Mar-2001 C;Accession: JC7568
R;Lin, J.H.; Deng, G; Huang, O.; Morser, J.
Biochem. Biophys. Res. Commun. 279, 820-831, 2000 A;Title: KIAP, a novel member of the inhibitor of a R;Reference number: JC7568; MUID: 21092523
A;Contents: Fetal kidney
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J. Cell Biol. 141, 1415-1422, 1998
A;Title: A glant ubiquitin-conjugating enzyme related to IAP apoptosis inhibiting for the state of the properties of the state of th
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C;Date: 22-Oct-1999 #sequence_revision 22-Oct-1999 #text_change 21-Jul-2000
C;Accession: T31067
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C; Keywords: apoptosis
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A; Residues: 1-298 <LIN>
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Best Local S
Matches 24
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                Score 121; DB 3; Pred. No. 1.8e-07; B; Mismatches 17;
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Pred. No. 1.6e-06;
3; Mismatches 19
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                                   24-Mar-1999 #text_change 02-Sep-2000
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smatches 17;
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Search completed: Job time: 704 sec

January

7, 2002,

15:49:10

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T43523

cutl7 protein - fission yeast (Schizosaccharomyces post)

C;Species: Schizosaccharomyces pombe

C;Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 (C;Accession: T43523; T41649; T41700

R;Morishita, J; Matsusaka, T; Yanagida, M.

submitted to the EMBI Data Library, August 1999

A;Description: Fission yeast cutl7 is required for A;Reference number: Z22536
                                                                                                                                                                                                                                                                                                                                                                                                              A;Molecule type: DNA
A;Residues: 1-997 <HAR>
A;Residues: 1-997 <HAR>
A;Coss-references: EMBL:AL031323; PIDN:CAA20434.1; GSPDB:GN00068; SPDB:SPCC962.02c
A;Cxperimental source: Strain 972h; cosmid c9962
A;Experimental source: Strain 972h; cosmid c9962
B;Wedler, H; Duesterhoeft, A.; McDougall, R.C.; Rajandream, M.A.; Barrell, B.G.
submitted to the EMBL Data Library, October 1999
A;Reference number: Z22010
A;Recession: T41700
A;Status: translated from GB/EMBL/DDBJ
A;Nocession: T41801
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Virus Genes 15, 235-245, 1997
A;Title: The DNA sequence of Chilo iridescent virus between the genome coordinates A;Reference number: Z14834; MUID:98141693
A;Recession: T03183
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-208 <BAH>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Molecule type: mRNA
A; Residues: 1-97 < MOR>
A; Residues: 1-97 < MOR>
A; Cross-references: EMBL: AB031034; PIDN: BAA83415.1
R; Harris, D.; Wood, V.; Rajandream, M.A.; Barrell, submitted to the EMBL Data Library, August 1998
A; Reference number: Z22007
A; Accession: T41649
                                                                                                                                                                                                                                   C;Genetics:
C;Genetics:
A;Gene: cutl7; SPCC962.02c; SPDB:SPCP31B10.10c
A;Map position: 3L
A;Introns: 43/3
                                                                                                                                                                                                                                                                                                                                   A;Molecule type: DNA
A;Residues: 932-997 <WED>
A;Cross-references: EMBL:AL121859; PIDN:CAB58376.1;
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C;Superfamily: RING finger homology
F;159-202/Domain: RING finger homology <RRN>
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Best Local Similarity
Matches 20; Conserv
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Best Local Similarity 47.5%;
Matches 19; Conservative
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                                         LAKAGFYY--IGPG------DRVACFACGGKLSNWEPKDNAMSEHLRHFPKCPF 46
LATVGFYYNDISESNSEERLDNVTCYMCTKSFYDWEDDDDDLKEHITHSPSCPW
                                                                                                           Conservative
                                                                                                                                38.6%;
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                                                                                                     $core 103; DB 2; |
pred. No. 9.1e-05;
6; Mismatches 20;
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